Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/01/2016 10:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124997	-1	2.27	124940	2.19
Blue	F	SSC	125000	125159	0	3.89	125879	3.74
Blue	E	FITC	22946	22546	-2	2.67	998	9.48
Blue	D	PE	28770	28411	-2	2.32	1017	8.54
Blue	B	PerCP-Cy5-5	51099	50756	-1	3.48	1455	15.13
Blue	A	PE-Cy7	42312	42131	-1	4.86	655	31.83
Red	C	APC	52169	51998	-1	3.01	3016	9.04
Red	A	APC-Cy7	56705	56019	-2	3.12	1157	10.82
Violet	B	V450	14708	14167	-4	3.85	683	8.53
Violet	A	V500	58608	57346	-3	3.57	2543	6.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19966	4.90	588	-10	N/A	N/A	Pass
Blue	F	SSC	62404	2.70	521	3	N/A	N/A	Pass
Blue	E	FITC	114	35.38	527	-4	0.0251	132	Pass
Blue	D	PE	225	25.71	522	-4	0.2314	287	Pass
Blue	B	PerCP-Cy5-5	232	39.98	618	-4	0.0131	119	Pass
Blue	A	PE-Cy7	75	102.25	666	-5	0.0148	12	Pass
Red	C	APC	349	25.99	586	-4	0.0230	58	Pass
Red	A	APC-Cy7	127	39.71	570	-6	0.0064	2006	Pass
Violet	B	V450	81	40.03	463	4	0.0516	1844	Pass
Violet	A	V500	185	22.30	493	5	0.0151	453	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/01/2016 10:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.49	-31.33	0.82
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.30
Red	18.24	13.27 - 19.91	N/A	N/A	31.65	32.02	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9525

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments